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The method and configuration for outputting four-channel analog signal with hardware having two-channel sound effect

The method of present invention comprises an audio application program transmitting information to a kernel program of an operating system by a multi-channel interface. The kernel program of the operating system receives information with multi-channel sound effect, and then a software frequency converter reduces the frequency of four audio channels to save bandwidth. Next, identification tags of a front and a back audio channels are created to avoid data lost during transmission of four-channel data. Information with four-channel format is reconfigured into two-channel information, such that the hardware can smoothly transmit encoded four-channel data. Subsequently, the reconfigured information is transmitted to the hardware with two-channel effect, and a data receive tag converter converts data tag to facilitate the hardware to distinguish the front and back audio channels, so as to correctly separate the four-channel data. A hardware frequency converter reduces the distortion after data compression by a double-frequency processing to convert the above-mentioned information into four-channel analog signals for output.